# University of Mumbai Department of Physics (Autonomous)

Admission for Year 2021-22 Master of Science (MSc) in PHYSICS

#### Two-year Full Time Course



Link for Online Application:

https://uomadmissions.mu.ac.in/

Website:

https://mu.ac.in/physics

**Enquires:** email Id:

admission@physics. mu.ac.in

**Phone:** 

022-26526250

Admission Requirement: Bachelor's degree in Physics

**Number of Seats: 68** 

**Important Dates:** 

Online registration and Application forms for Admission: 12<sup>th</sup> August 2021- 26<sup>th</sup> August, 2021 (up to 05:00pm)

For Merit List :

Please visit website

**Course Structure:** 

**Brochure:** 

https://bit.ly/3iUwOKQ

\*No Entrance Test



## Highlights of the Course

#### Variety of Elective Courses (30+) Offered

- Computational Methods in Physics
- Nuclear Structure
- Nuclear Reactions
- Experimental Techniques in Nuclear Physics
- Particle Physics
- •General Theory of Relativity and Cosmology
- Computer Networking
- Materials and their applications

- Semiconductor Physics
- Fundamentals of Materials Science
- Nanoscience and Nanotechnology
- Liquid crystals
- Polymer Physics
- Properties of solids
- Crystalline and noncrystalline solids
- Surfaces and thin films

- Signal Modulation & transmission techniques
- Microwave electronics radar & optical Fibre communication
- VLSI design & embedded system
- Embedded C ARM & interfacing
- •VHDL, C ++ & PYTHON Programming
- Digital Communication Systems

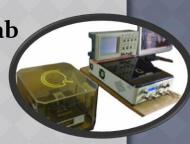
- Astronomy & Astrophysics
- Galactic and Extragalactic Astronomy
- Accelerator & Beam Physics
- Plasma Physics
- Group theory
- Applied Thermodynamics
- Electronic structure of Solids
- Energy Studies

#### State of the Art Facilities



- Advanced Physics Lab
- **\*** Electronics Lab
- Material Science Lab
- ❖ Bio-Nano Physics Lab
- Molecular Electronics Lab
- Liquid Crystal Lab
- Nuclear Physics Lab
- **❖** Semiconductor Lab
- \* Thin Film Lab
- Surface Physics Lab
- Astro & Space Physics Lab
- Computer Lab
- Departmental Library











### **Salient Features of the Course**

- Modern ICT based learning. Complete online mode of teaching and exams enabled under lockdown.
- Access to Departmental Library, Computer lab and Internet facilities.
- National and International Seminars/Workshops throughout the year.
- Opportunity to work in reputed research institutes (TIFR, BARC, IITB, SAMEER etc.) for project work.
- Opportunity to do research (MSc project work, PhD) in core as well as interdisciplinary fields.
- Guidance for entrance exams (NET, SET, GATE etc.) by departmental faculty members: <a href="https://bit.ly/364ld48">https://bit.ly/364ld48</a>
- Job and career guidance post M.Sc.
- Active participation in extra curricular activities: Science day, outreach programs.
- Strong, global alumni engagement : https://bit.ly/3x6fcjB
- Mentoring Programme for student well-being.

#### **Admission Rules and Regulations:**

- No Entrance Test.
- Application will be accepted only through online mode by using the link <a href="https://uom-admissions.mu.ac.in/">https://uom-admissions.mu.ac.in/</a>
- Admission will be granted based on marks obtained in T.Y.B.Sc . examination in SEM V and SEM VI.
- Students who have not received their Semester VI mark sheet can also apply. However, their admission will be provisional.
- Admission will be based on merit. The Merit list will be displayed on the website.
- The admission will be confirmed only after the verification of the documents by the department authority and payment of fee by the student.
- Reservation policy for admissions will be adopted as per the guidelines of University of Mumbai and Govt. of Maharashtra.
- Admission of a student from other universities will be confirmed only after submission of relevant documents.
- Admission related details are available in the Brochure https://bit.ly/3iUwOKQ